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## Certificate of Analysis

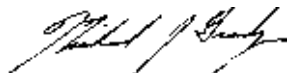
Product Name:

1,2-Dichloroethane - for HPLC, ≥99.8%

**Product Number:** 34872  
**Batch Number:** MKCL2767  
 Brand: SIGALD  
 CAS Number: 107-06-2  
 MDL Number: MFCD00000963  
 Formula: C<sub>2</sub>H<sub>4</sub>Cl<sub>2</sub>  
 Formula Weight: 98.96 g/mol  
 Quality Release Date: 04 MAY 2020  
 Expiration Date: MAR 2022

ClCH<sub>2</sub>CH<sub>2</sub>Cl

| Test                               | Specification | Result     |
|------------------------------------|---------------|------------|
| Appearance (Color)                 | Colorless     | Colorless  |
| Appearance (Form)                  | Liquid        | Liquid     |
| UV Absorbance 270nm                | ≤ 0.01        | < 0.01     |
| UV Absorbance 245nm                | ≤ 0.04        | 0.03       |
| UV Absorbance 230nm                | ≤ 0.60        | 0.34       |
| Purity (GC)                        | ≥ 99.80 %     | 99.99 %    |
| Water (by Karl Fischer)            | ≤ 0.02 %      | < 0.02 %   |
| Residue on Evaporation             | ≤ 0.0005 %    | < 0.0001 % |
| Color Test                         | ≤ 10 APHA     | < 5 APHA   |
| Free Acid<br>as HCl                | ≤ 0.001 %     | < 0.001 %  |
| Expiration Date Period<br>720 Days | -----         | -----      |



Michael Grady, Manager  
 Quality Control  
 Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.